Care & Feeding Manual

Spector

"I believe that we make the best basses in the world. Master craftsmen from around the world make our instruments with great love and care. We have instruments for all budgets, from our entry level Performance Series to our top-of-the-line USA Series, which we make by hand here in the wilds of Saugerties, New York. When you choose a Spector Bass, you have made the decision to buy a bass made for a lifetime."

Stuart Spector
President Spector Basses, Inc.

Congratulations on your purchase of a new Spector Bass and welcome to the Spector Family! In this brief manual, we hope to provide you with the information you will need to get the most out of your new Spector instrument and keep it playing like new for years to come. Should you have any questions about something not covered in these pages, feel free to contact us at:

Stuart Spector Design Ltd.
1450 Rt. 212
Saugerties, NY 12477
www.spectorbass.com

- Voice 1-800-825-8810
- Fax 1-703-279-8076
- Email custserv@spectorbass.com

Spector Bass Warranty

(Please consult your Warranty Card for complete details of your warranty. This information is provided for your reference only.)

Stuart Spector Design, Ltd. warrants this instrument to be free from defects in materials and workmanship. All Spector Performance Series and Professional Series Basses are covered by a 5 Year Warranty and all Europe Series and all USA Series are covered by a Lifetime Limited Warranty when purchased from an authorized Stuart Spector Design, Ltd. Dealer subject to the limitations set forth herein. This warranty applies only to the original retail purchaser when this instrument is purchased from an authorized Stuart Spector Design, Ltd. dealer, and requires the purchaser to supply a copy of the original proof of purchase (original sales receipt with the instrument serial number and his/her name indicated as the purchaser thereon) at the time service is requested. Electronic components, tuning machines, and case hardware are warranted for a period of one year from the date of original purchase.

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Spector Electronics Configurations

Spector offers a wide variety of pickup and preamp combinations to suit any player's style. For specifics on your model Spector Bass, please consult the chart below to determine the corresponding diagram to better understand the layout of your instrument.

Diagram A

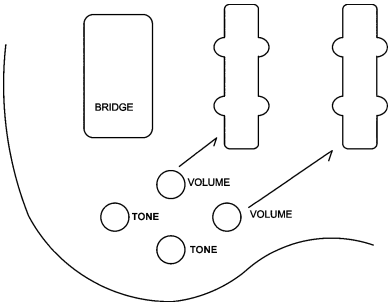
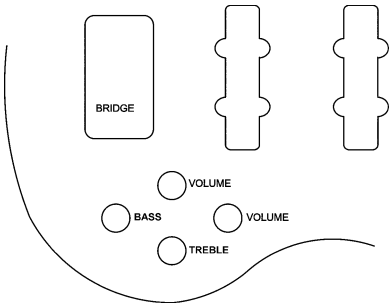


Diagram B



Spector Bass	Strings	Neck Pickup	Bridge Pickup	Diagram
Performance Series	4	EMG-SSD	EMG-SSD	A
Professional Series	4-5-6	EMG-HZ	EMG-HZ	B
Professional Piezo	4-5	EMG-HZ	Fishman Power Bridge	E
Europe Series Bolt-On	4-5	EMG-HZ	EMG-HZ	B
Europe Neck-Thru	4	EMG-P	EMG-J	B
Europe Neck-Thru	5	EMG-40DC	EMG-40DC	B
NS-2J	4	EMG-J	EMG-J	B
NS-2JCM	4	EMG-J	EMG-J	B
NS-JH5	5	EMG-SJ	EMG-40CSTW	B
NS-JH5CM	5	EMG-SJ	EMG-40CSTW	B
NS-JH6	6	EMG-45CS	EMG-45CS	B
NS-JH6CM	6	EMG-45CS	EMG-45CS	B
NS-2	4	EMG-P	EMG-J	D
NS-4	4	EMG-35DC	EMG-35DC	C
NS-5XL	5	EMG-40DC	EMG-40DC	C
NS-6XL	6	EMG-45DC	EMG-45DC	C
REX-4	4	EMG-35DC	EMG-35DC	C
REX-5XL	5	EMG-40DC	EMG-40DC	C
NS-4, 5XL, 6XL Piezo	4-5-6	EMG-35+45DC (Neck + Bridge)	Spector Piezo Bridge	F

Diagram C

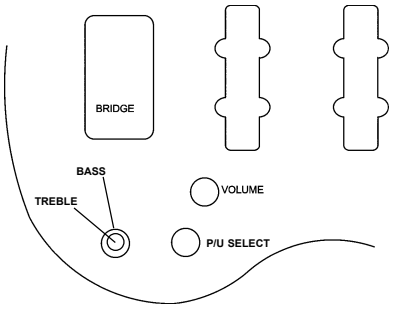


Diagram D

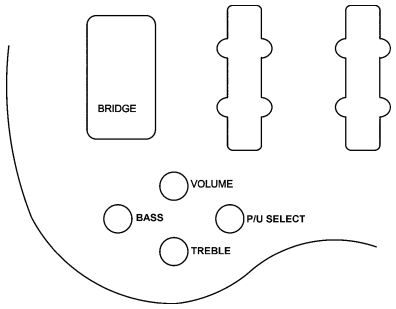


Diagram E

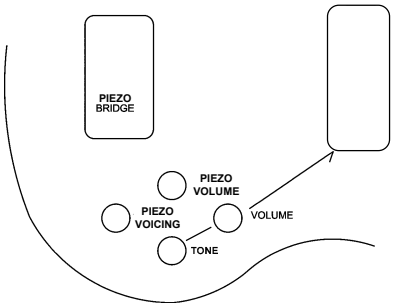
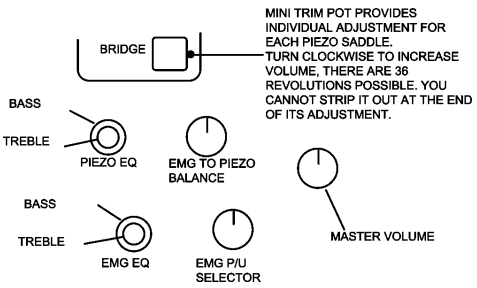


Diagram F


MINI TRIM POT PROVIDES INDIVIDUAL ADJUSTMENT FOR EACH PIEZO SADDLE. TURN CLOCKWISE TO INCREASE VOLUME, THERE ARE 36 REVOLUTIONS POSSIBLE. YOU CANNOT STRIP IT OUT AT THE END OF ITS ADJUSTMENT.
BRIDGE
BASS
TREBLE
PIEZO EQ
EMG TO PIEZO BALANCE
MASTER VOLUME
BASS
TREBLE
EMG EQ
EMG P/U SELECTOR

Spector Bass	Strings	Preamp	Volts	Controls	Diagram
Performance Series	4	Passive	Passive	V-V T-T	A
Professional Series	4-5-6	EMG BTS	9V	V-V B-T	B
Professional Piezo	4-5	Fishman	9v	V-V T-T	E
Europe Series Bolt-On	4-5	Aguilar OBP-1	18v	V-V B-T	B
Europe Neck-Thru	4	Aguilar OBP-1	18v	V-V B-T	B
Europe Neck-Thru	5	Aguilar OBP-1	18v	V-V B-T	B
NS-2J	4	Aguilar OBP-1	18v	V-V B-T	B
NS-2JCM	4	Aguilar OBP-1	18v	V-V B-T	B
NS-JH5	5	Aguilar OBP-1	18v	V-V B-T	B
NS-JH5CM	5	Aguilar OBP-1	18v	V-V B-T	B
NS-JH6	6	Aguilar OBP-1	18v	V-V B-T	B
NS-JH6CM	6	Aguilar OBP-1	18v	V-V B-T	B
NS-2	4	Spector	9v	V-P/U Sel B-T	D
NS-4	4	Spector	18v	V-P/U Sel B-T	C
NS-5XL	5	Spector	18v	V-P/U Sel B-T	C
NS-6XL	6	Spector	18v	V-P/U Sel B-T	C
REX-4	4	Spector	18v	V-P/U Sel B-T	C
REX-5XL	5	Spector	18v	V-P/U Sel B-T	C
NS-4, 5XL, 6XL Piezo	4-5-6	Spector Piezo	18v	See Diagram	F

Pickups and Preamps

Passive Pickups

• **EMG-SSD** Designed by EMG for Spector, a passive, high impedance pickup offers full output characteristics combined with a broad frequency response, warm tone and hum free operation.

• **EMG-HZ**® Designed and built by EMG in their Santa Rosa, CA facility. This passive, high impedance, U.S.A. built pickup has a big sound, traditional feel, wide frequency bandwidth, "punchy" tone, and hum cancelling design.

Active Pickups

• **EMG-P**® and **EMG-J**® The active pickup that changed the bass pickup business in the late '70's. Voiced after the original P® design with a preamp built into the pickup for extended frequency response, high output, and noise free operation. The EMG-J® offers a similar voicing to the original J® with the same benefits of the EMG design. For more info visit **www.emginc.com**

• **EMG-SJ5**® Is a 5 string version of the EMG-J (the S stands for Short. J® basses have a slightly shorter neck pickup). The magnetic structure extends to the far ends of the pickup to provide even response across all 5 strings.

• **EMG-35DC**® and **EMG-40DC**® These are part of the EMG Extended Series. The DC® dual coil features side-by-side coils that widen the magnetic aperture delivering a deep, full low end with slightly accentuated midrange

• **EMG-45CS**® Similar in design to the EMG-DC® series, the CS® dual coil adds a steel bar positioned above the ceramic magnets. This combo gives full, broad response with added warmth, while retaining a crisp, defined high end.

• **EMG-40CSTW**® First appeared on Spector NS-JH5. These are Active EMG Dual Mode® pickups that provide a very credible vintage J sound in the Single Mode and a very aggressive tone in the Full Humbucking mode.

Preamps

• **EMG-BTS**® Active Bass and Treble Control features two controls that can independently boost or cut both bass and treble frequencies up to 12dB. FLAT (no cut or boost of frequency) on the controls is in the center, detented (a little "click") position. In addition, a set of DIP switches mounted on the main circuit board allow you to select among 4 widely different center frequencies ranging from the high midrange to treble region (2100, 3500, 4500, and 7000Hz). For more info on the BTS circuit, visit:

http://www.emginc.com/Accy.html

• **Aguilar OBP-1**® A transparent sounding 18v preamp system that does not add graininess or noise to the instrument. Spector utilizes a special "Voltage Doubler" which allows a single 9v battery to run the Aguilar 18v circuit enabling 18v operation while conserving space and providing ease of battery change.

IMPORTANT: As opposed to the EMG and the Spector Preamp, the Aguilar design calls for the Bass and Treble controls as FLAT (no boost) when the controls are in the FULL Counterclockwise Position. Most preamp designs utilize a "center detent" on the potentiometer which is their reference point for "flat". For more info visit: **www.aguilaramp.com**

The **Original Spector Preamp** helped make Spector famous. Active bass and treble controls with the ability to cut and boost, provide the player with complete tonal flexibility. The original circuit was a 9v circuit and is still found to this day on the NS-2. The 18v Spector circuit is an updated version of the classic with added headroom and clarity. For an added dimension, choose the Spector Piezo Bridge option which has its own separate and independent 18v circuit which can be blended with the magnetic electronics for the ultimate in tonal variation.

The Fishman Powerbridge®

Found on the Professional Series Piezo Semi-Hollow Basses combines the traditional feel of a magnetic pickup in a position chosen for maximum fundamental response, combined with the world's finest acoustic pickup from Fishman®. Fishman® has applied its world-renowned acoustic technology to electric bass. The Powerbridge® pickup opens up creative possibilities with a new palette of incredible acoustic and hybrid acoustic/electric sounds without altering your original magnetic tone. As well as being able to balance the magnetic pickup with the Powerbridge®, you are able to "voice" the piezo bridge system according to your style of playing.

The Spector Bridge

How To Adjust It:

The Spector Locking Bridge is found on all basses with the exception of the Performance Series. The design consideration is that while this bridge is sophisticated, it is actually very simple and EASY to adjust. Another profound benefit of the Spector Locking Bridge is that it LOCKS. You cannot adjust it, until you unlock it. Once adjusted, lock it and it will STAY where you put it. To adjust, leave the strings on the bass and tuned to normal pitch. Loosen the set screw on side of bridge with Allen wrench. Using same Allen wrench as above, adjust height of each string saddle as needed to suit your playing style. Adjust the intonation of each bridge saddle by moving the saddle away from the neck (if the higher register notes are playing sharp) or toward neck (if the higher notes are playing flat) as needed. For optimum performance, each of the saddles should be tilted back toward the ball end of the string at the same angle as the headstock tilt (but opposite in direction). Tighten set screw on side of bridge and now the saddles will stay in place even when strings are changed. This solid contact also adds to the overall sustain and tone of the Spector Bass.

Spector String Spacing Specifications

Inquiring minds want to know, so in response to many requests:

Scale Length	Nut Width	At 12th Fret	At Bridge	Fingerboard Radius
4 String 34"	1.645"	2.065"	.75"	16
5 String 35"	1.84"	2.415"	.66"	16
6 String 35"	2.19"	3.015"	.66"	16

Preventative Maintenance

"High Gloss" Finishes:
Spector "High Gloss" Finishes are practically maintenance free. Simply clean them occasionally with a good quality "Guitar Polish" available from several manufacturers of guitar and bass accessories. If the back of the neck (which is a matte finish) should require cleaning, we recommend Lemon Oil. As far as a "polishing cloth", a clean, 100% cotton tee-shirt (as long as it's clean, older is even better-they get softer with age and repeated washings) is your best bet. Besides, recycling helps the environment!

Spector "Natural Oil" Finishes:
It's a great idea to regularly clean and protect the neck and body of your Spector Bass with a good quality Lemon Oil. Rather than apply Lemon Oil directly to the finish, we recommend that you put a small amount (a few drops is plenty) on a soft cloth to clean the finish. To further enhance the beauty of your Natural Oil Finish on your Spector Bass, we recommend waxing your instrument every month or two using a good quality paste wax such as Butcher's Paste Wax also known as Butcher's Bowling Alley Wax Clear Paste wax. Apply the wax sparingly with a soft cloth. Allow to dry (10-15 minutes) and buff with a genuine (imitation will work also) lamb's wool pad (if unavailable a clean cloth will do in a pinch).

Fingerboards:
Use Lemon Oil (see Natural Oil Finish above). This will clean and protect your fingerboard, replenishing the oils that the fingerboard, protecting the wood from excessive dryness.

Hot-Cold-Dry-Damp:
In most areas, the spring and summer months usually bring with them humidity. While basses (and other musical instruments made of wood) like to have some humidity, too much is not a good thing. You wouldn't leave your pet in your sweltering car in the summer heat, don't do it to your Spector bass. Heating systems in Winter remove moisture from your home and your bass! We highly recommend a humidifier for you and your bass, at least for the room in which you store your instrument. At the very least, store your instrument in its case, away from the heating ducts. In general, basses like to be where you like to be: 70 degrees and moderate humidity.

FAQ: Where is Spector and where do they build their basses?
Today Stuart builds his U.S.A. basses near Woodstock, NY. There are also many new production instruments from our factories around the world in the Czech Republic, Korea, and China. Bolt-on, Neck-thru, 4's, 5's, 6's, Passive, Active, Piezo to Magnetic, from the essential to the elite, we like to think that there is a Spector out there waiting for every bassist.

The Truss Rod
What It Is
What It Does
How To Adjust It

If thinking about removing that little plate and taking out an Allen wrench makes you feel a bit faint, please see your local guitar shop (where you bought your Spector) and have them help you out. All Spector Basses have an adjustable rod located in the neck which runs the length of the neck. The truss rod opposes the force exerted by the tuning of the strings and keeps the neck from warping under that pressure.

All our basses from the Professional through the U.S.A. Series also have graphite rods that run parallel to the truss rod and act to evenly distribute the forces of the truss rod. If "sighting down" the neck indicates that there is a warp or "dip" in the neck, the adjusting nut should be tightened. If there is a reverse warp or "hump" in the neck, the nut needs to be loosened.

A straight edge can be used to determine warp as can this little tech tip: Play the 1st fret on any string with the index finger on your LEFT hand. On that same string, with your RIGHT Pinkie (your right hand should be hovering over the neck, finger tips down), press down on the 12th fret (octave) and s-t-r-e-t-c-h your RIGHT thumb toward the headstock as far as comfortable. While holding down the 1st and 12th fret, tap the fret where your RIGHT thumb is located (7-9th or so) and press down and up and down on that fret with your thumb. No this isn't a new playing style. However, if there is a very noticeable gap between the unpressed and pressed thumb, the neck has a warp. If there is NO space (you are probably experience a lot of buzzing) then you have a reverse warp or have "no relief".

CAUTION: There are very extreme forces involved in basses and bass strings. BE SURE TO LOOSEN STRINGS before attempting to tighten the truss rod!

IMPORTANT: If you have ANY question about your comfort level in doing neck adjustments on any instruments, we highly recommend that you return to your Spector Dealer and ask them for assistance. Your Spector Dealer has vast experience in guitar and bass setup procedures and is there to help.

VERY IMPORTANT: Truss rods can be tightened. Most things in life that can be tightened, can be tightened too far! When that happens there is usually an accompanying sound and ensuing pain in the stomach. When in doubt, seek professional advice. An ounce of prevention and all that.

EXTREME CAUTION: DO NOT FORCE the tightening of the truss rod!

IMPORTANT: ALL bass necks MUST have what is called "relief". That is a very slight "warp". Too little of no relief and you will experience buzzing.

Spector

Professional Quality Bass Strings

Made in the USA

We at Spector® have devoted more than 20 years to the crafting of fine basses. Every possible measure is taken to insure the highest quality products for our customers. It is in this tradition that we are proud to offer our professional quality bass strings.

All materials undergo stringent inspections for quality before the start of production and at every step along the way. Similarly, all finished strings are carefully inspected to eliminate any possible defects before they are packaged.

These strings have been designed to bring out the full tone of our instruments or that of any other fine quality bass guitar. The tapered wound construction allows freedom of movement of the strings to deliver the maximum tone possible and an even response across the neck of the bass.

Spector Strings are available in either stainless steel (stainless steel sets come with a taper wound D-A-E and B string) or nickel (nickel sets come in full wound) in the following gauges:

Four String Sets

.040 .060 .080 .095

.045 .065 .085 .105

Five String Sets

.045 .065 .085 .105 .130

See your Spector Authorized Dealer for prices and availability.

Spector

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- Email custserv@spectorbass.com

For our lawyer friends:

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